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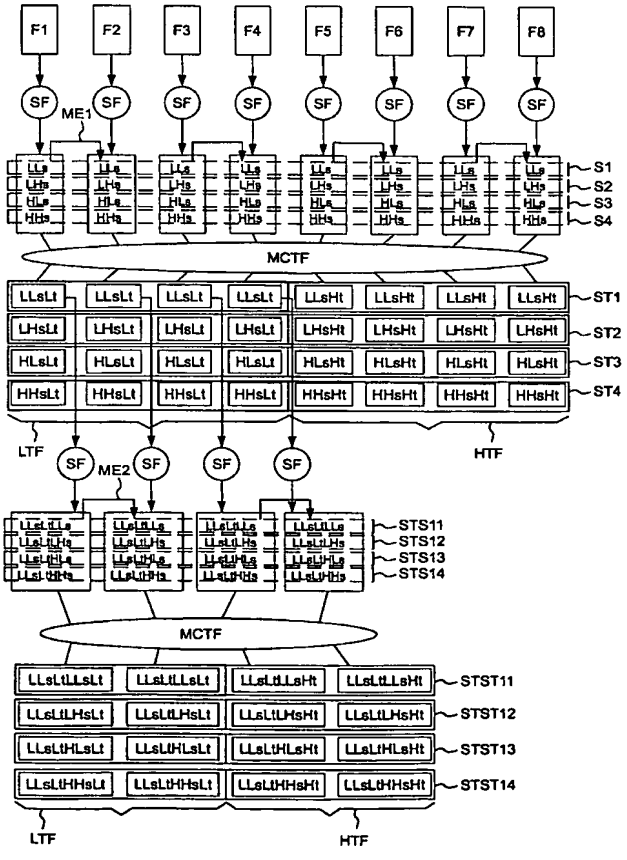
(54) Title: 3D VIDEO SCALABLE VIDEO ENCODING METHOD



(57) Abstract: The present invention relates to a method of encoding a sequence of frames comprising the steps of dividing the sequence of frames into groups of N frames (F1-F8) with size H*W, one level spatial wavelet-based filtering (SF) the frames of a group to generate a first spatial subband (S1) of a first decomposition level comprising N low-low spatially filtered frames (LLs) with size H/2*W/2, doing motion estimation (ME1) on pairs of the low-low spatially filtered frames (LLs), resulting in a set of motion vector fields comprising N/2 fields, and motion-compensated temporal wavelet-based filtering (MCTF) the low-low spatially filtered frames (LLs) based on the set of motion vector fields, resulting in a first temporal subband (ST1) of a first decomposition level comprising N temporally filtered frames. The sequence comprising the spatial filtering step, the motion estimation step and the motion compensated filtering step is then iterated on frames having the lowest frequency in both temporal and spatial domains until one low-temporal frequency frame per temporal subband is left.

WO 2005/036885 A1

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